



# Timeline / Legacy Wall

## Photos, Dates and Captions



# 1931-34

**Captain Harry  
Armstrong, Flight  
Surgeon, First  
Pursuit Group,  
Selfridge Field,  
Michigan.**





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# 1934

**Wiley Post tests his second pressure suit in the altitude chamber.**





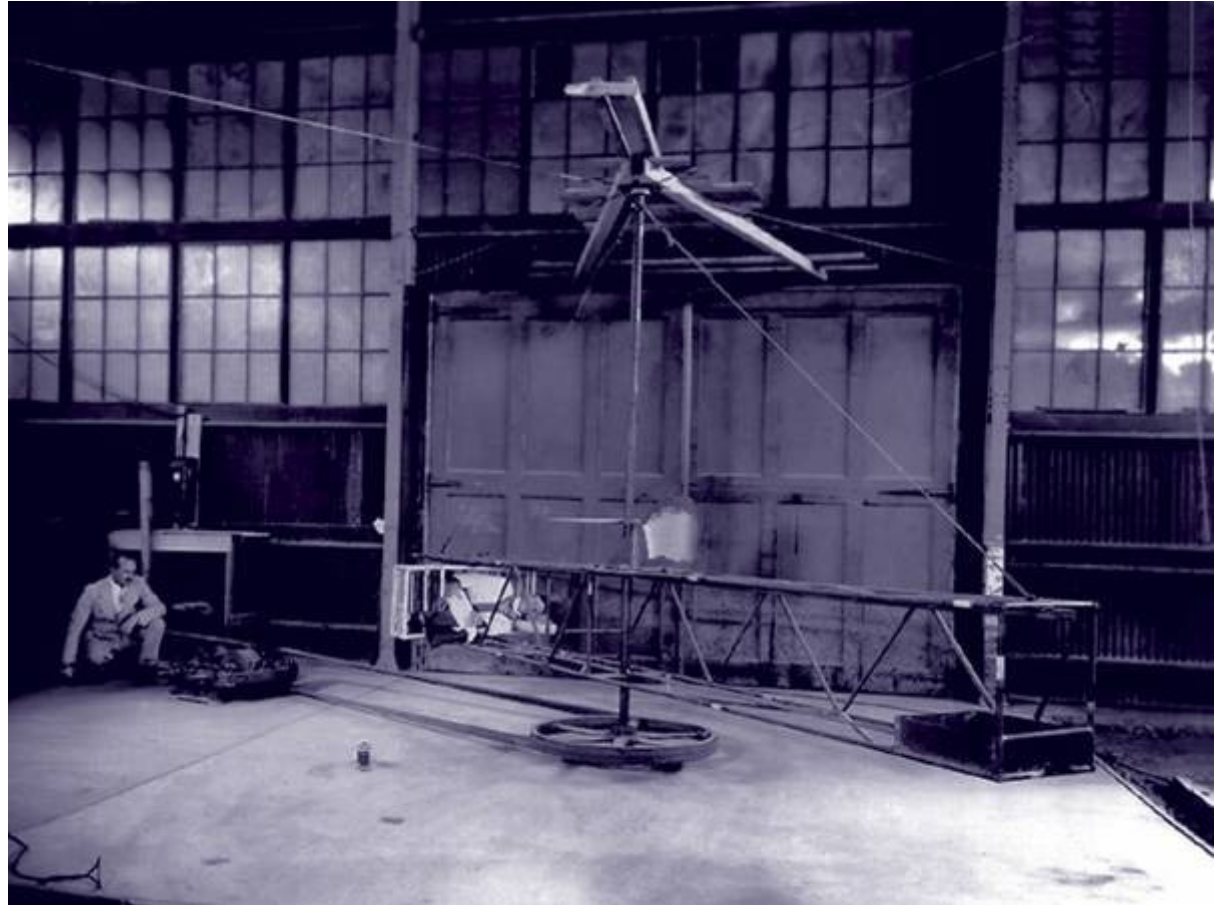
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# 1936

**First centrifuge  
for human use at  
Wright Field  
designed by  
Captain  
Armstrong.**





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# 1941

**Sixteen-man  
altitude/cold  
chamber for  
physiological  
testing.**







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**1941-45**

**Marjorie Martin  
attaches medical  
electrodes to a  
subject prior to  
an experiment in  
the centrifuge.**





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1942-44

**Twenty-man  
altitude chamber  
in use.**





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# 1943-44

**High altitude flight equipment, used in B-17, B-24, B-29, was tested in the Laboratory facilities.**





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# 1944

**Army Air Force  
Standardized G-3  
anti-G Suit.**







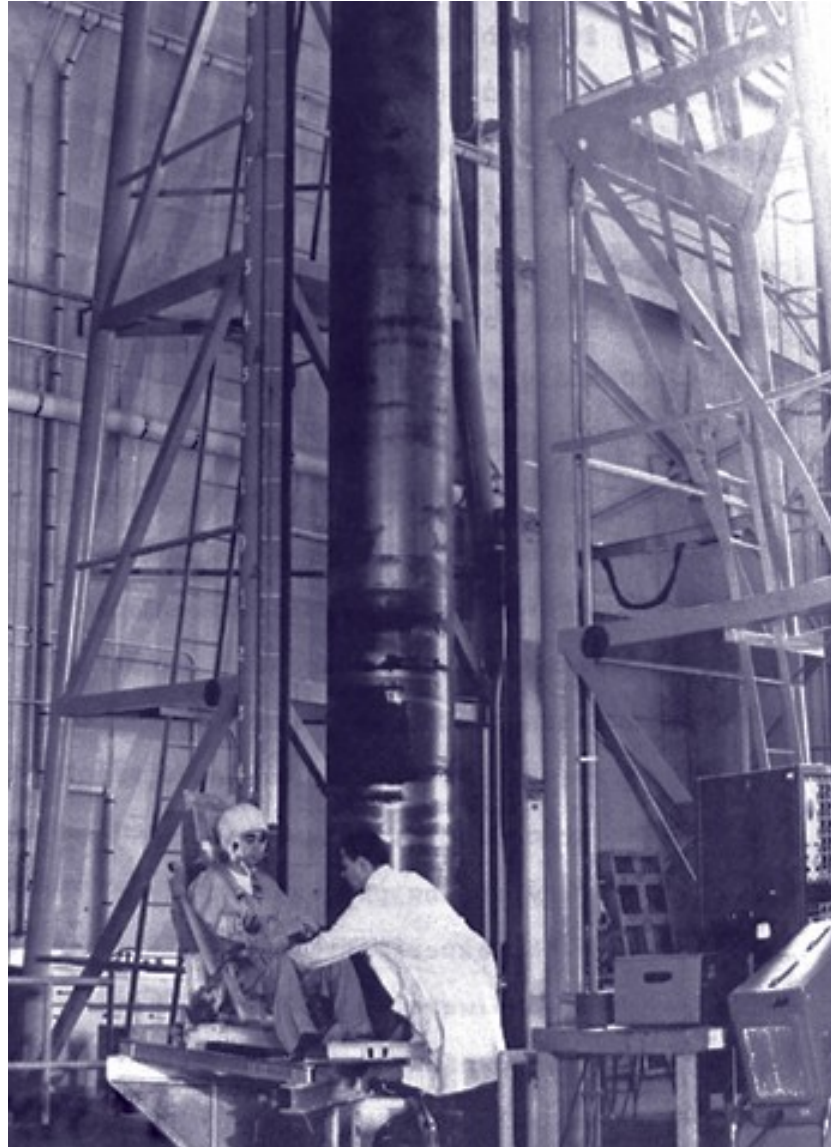
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# 1947

**Vertical  
accelerator which  
simulates the  
accelerations  
encountered in  
low-altitude  
high-speed flight.**





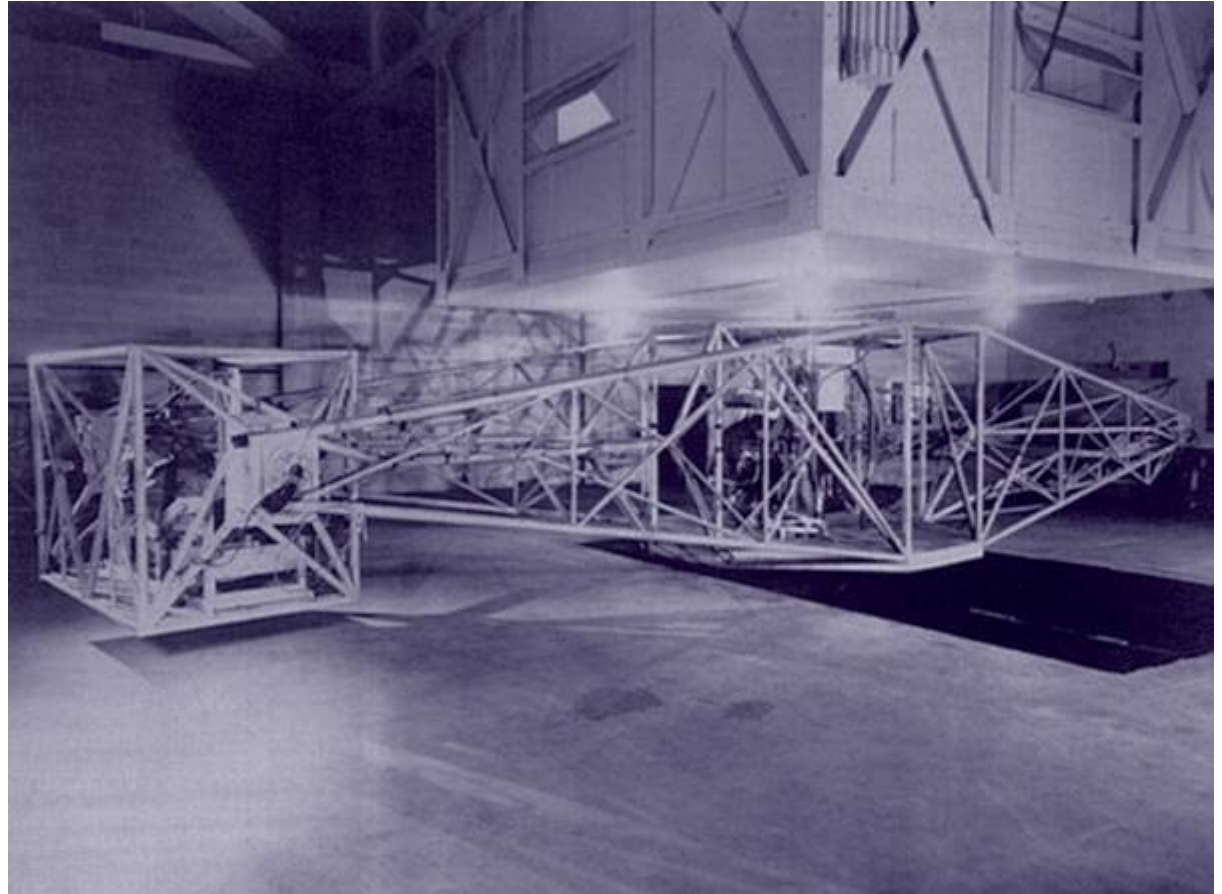
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# 1948

**Third human use centrifuge at Wright Field used to establish the human tolerance for normal and emergency space flight trajectories.**





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# 1949

**LtCol Paul Fitts,  
founder of the  
Psychology  
Branch.**





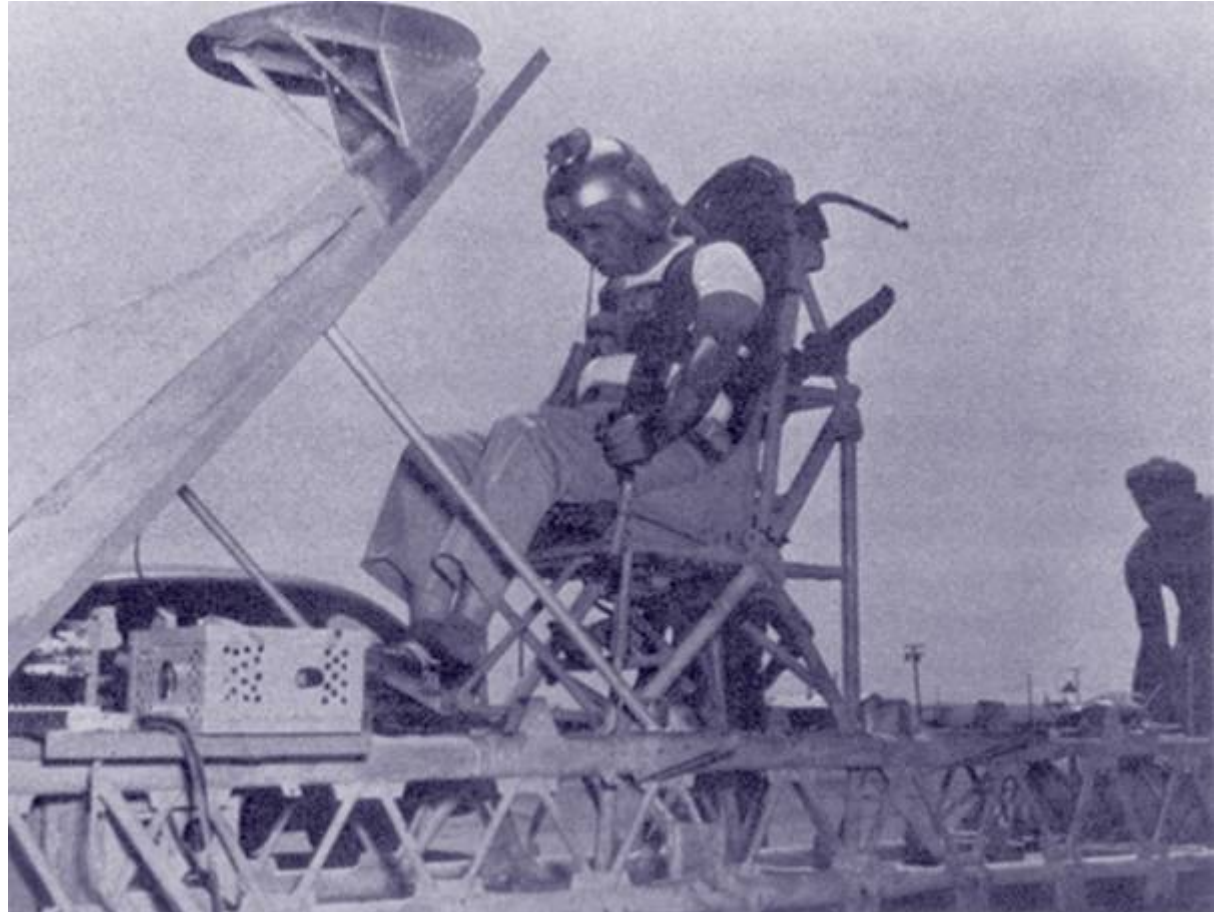
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# 1954

**Major John Stapp  
on the second  
rocket sled built  
for human  
deceleration  
experiments at  
Holloman AFB.**







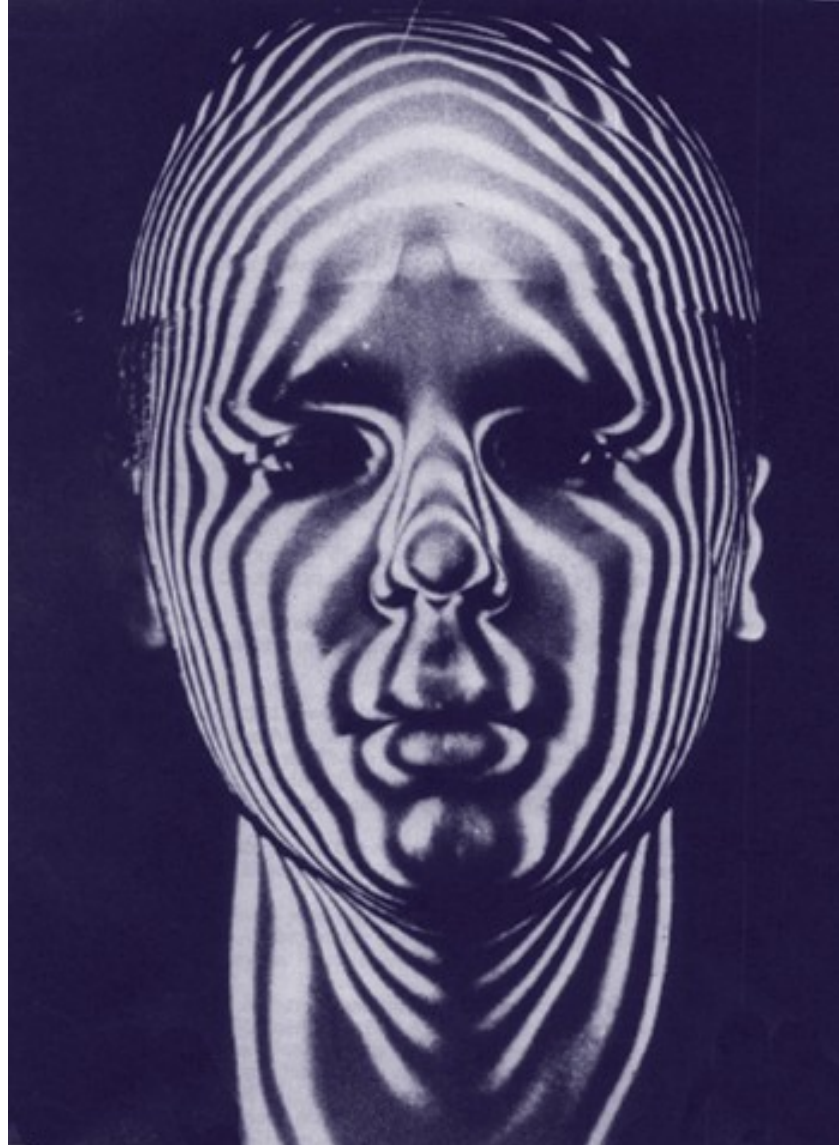
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# 1957

**First contour mapping of the surface of the human body for anthropometric measurements.**





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# 1958-59

**C-131B aircraft modified into a weightlessness laboratory for human engineering research.**





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# 1959-60

**Capt Joe Kittinger free falling at over 10,000 feet, falls toward earth for eventual parachute landing following balloon ascent to 102,800 feet during Project Excelsior.**





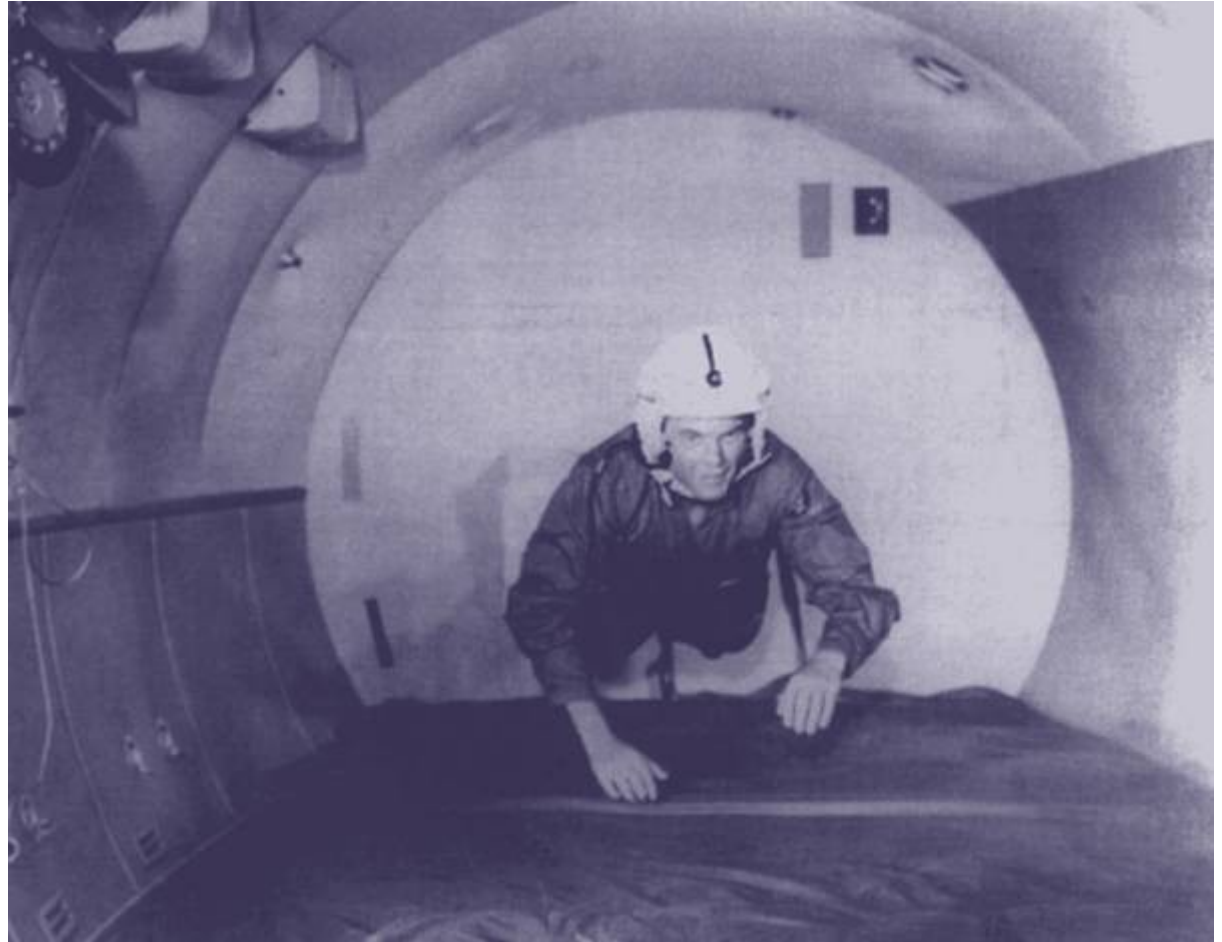
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# 1960

**Mercury  
astronaut John  
Glenn in  
weightlessness  
flight training.**







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# 1960's

**Early helmet-mounted display.**





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# 1961

**Testing an Early Model of an Extra-vehicular Propulsion Unit in weightless flight.**





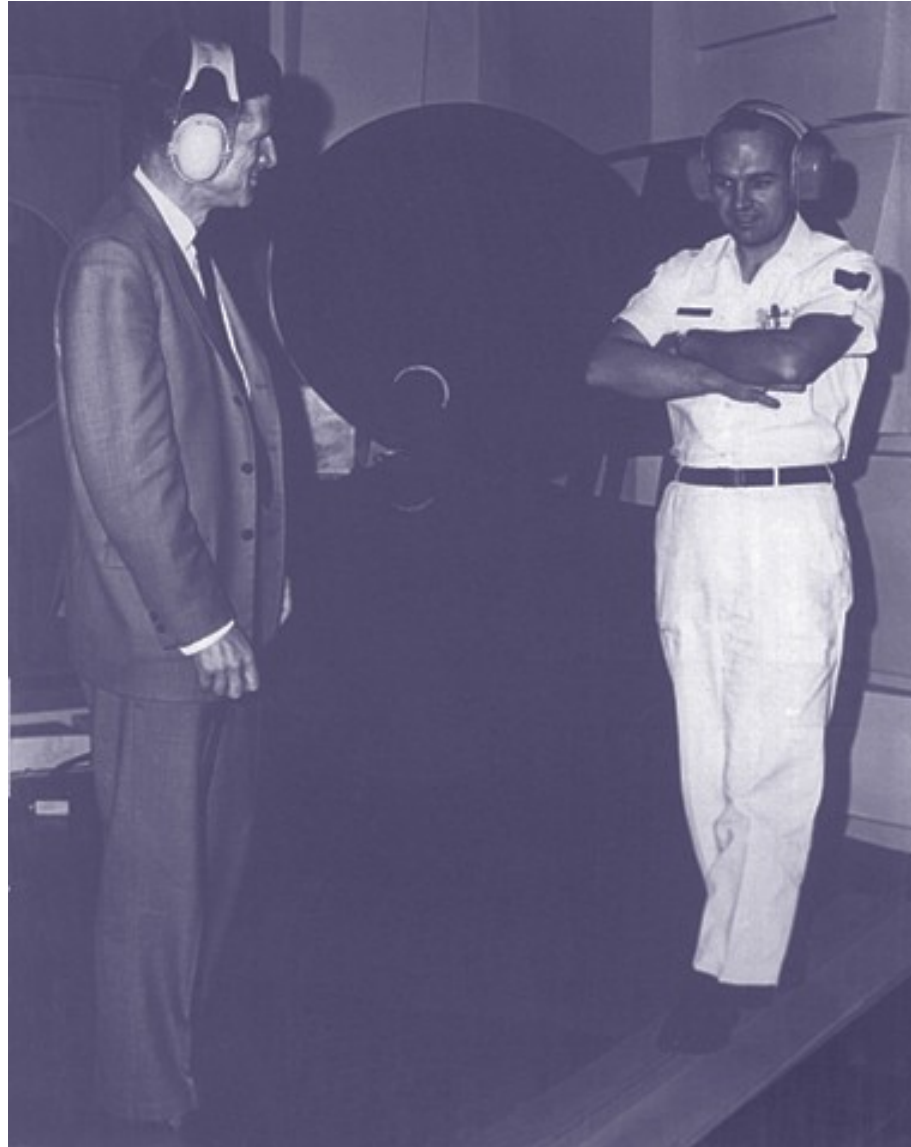
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# 1967

**Dr. Von Gierke  
conducts a  
human  
equilibrium  
experiment in an  
intense sound  
field.**





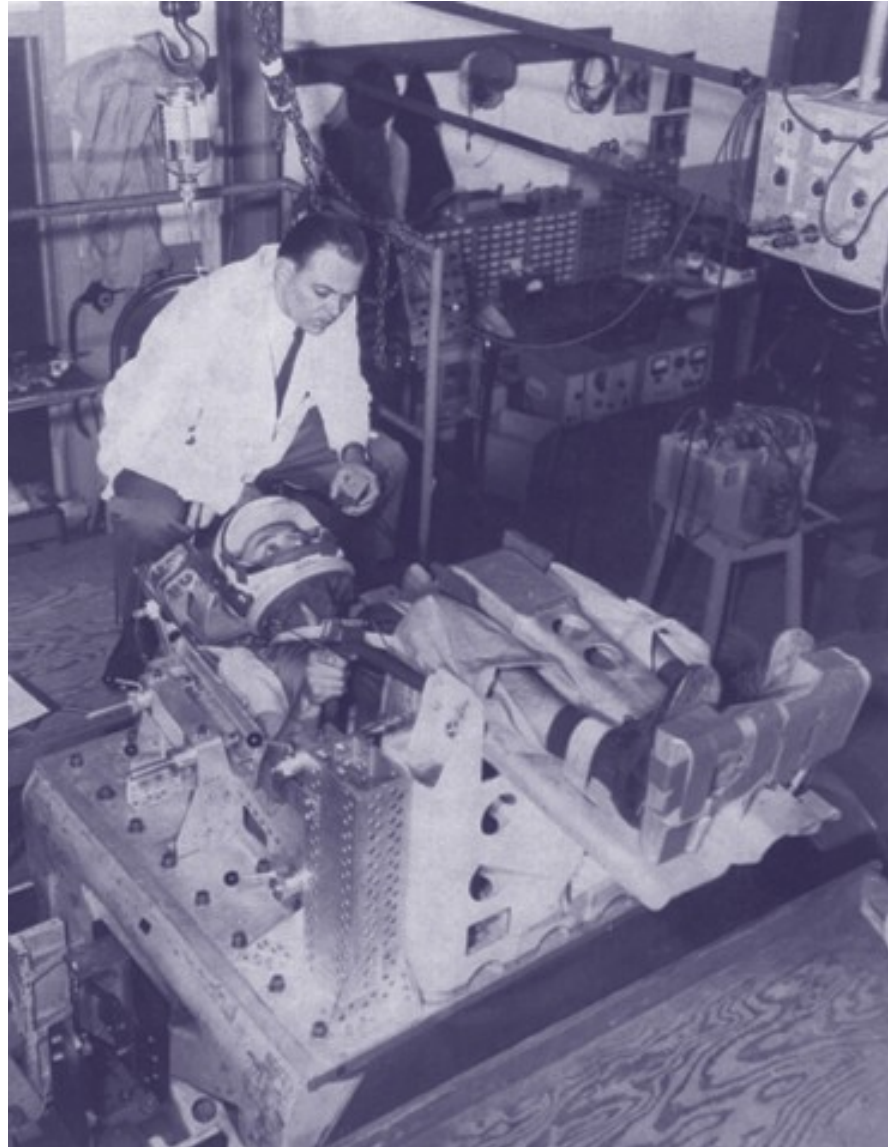
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# 1967

**Captain George Mohr supervises the vibration test of the Apollo seat position while the subject wears the pressure suit.**







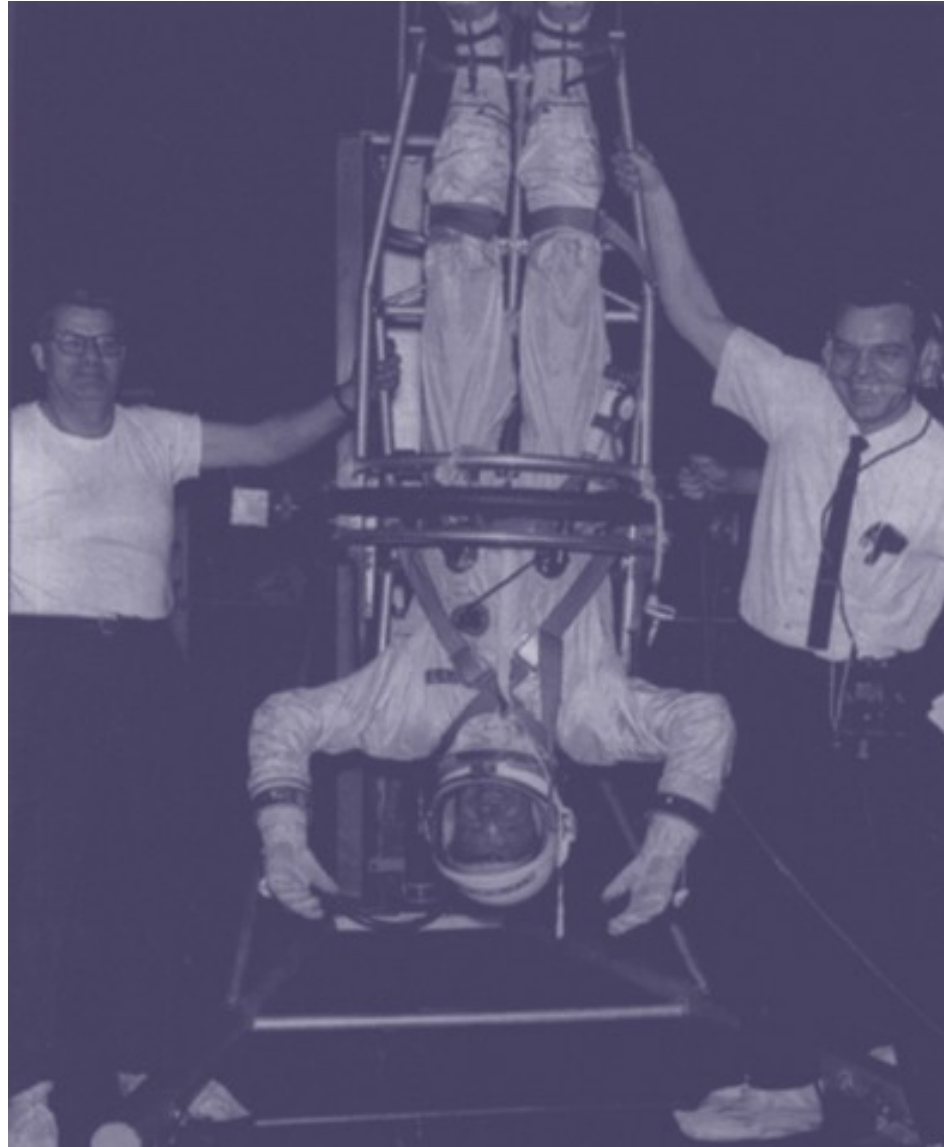
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# 1968

**Zero-Gravity  
Simulation  
Facility.**





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# 1969

**Fourth human use centrifuge at Wright Field. This is the first USAF machine to have closed loop control for flight simulation.**





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# 1971

**Subject being exposed to +9G in the centrifuge's high acceleration cockpit seat.**





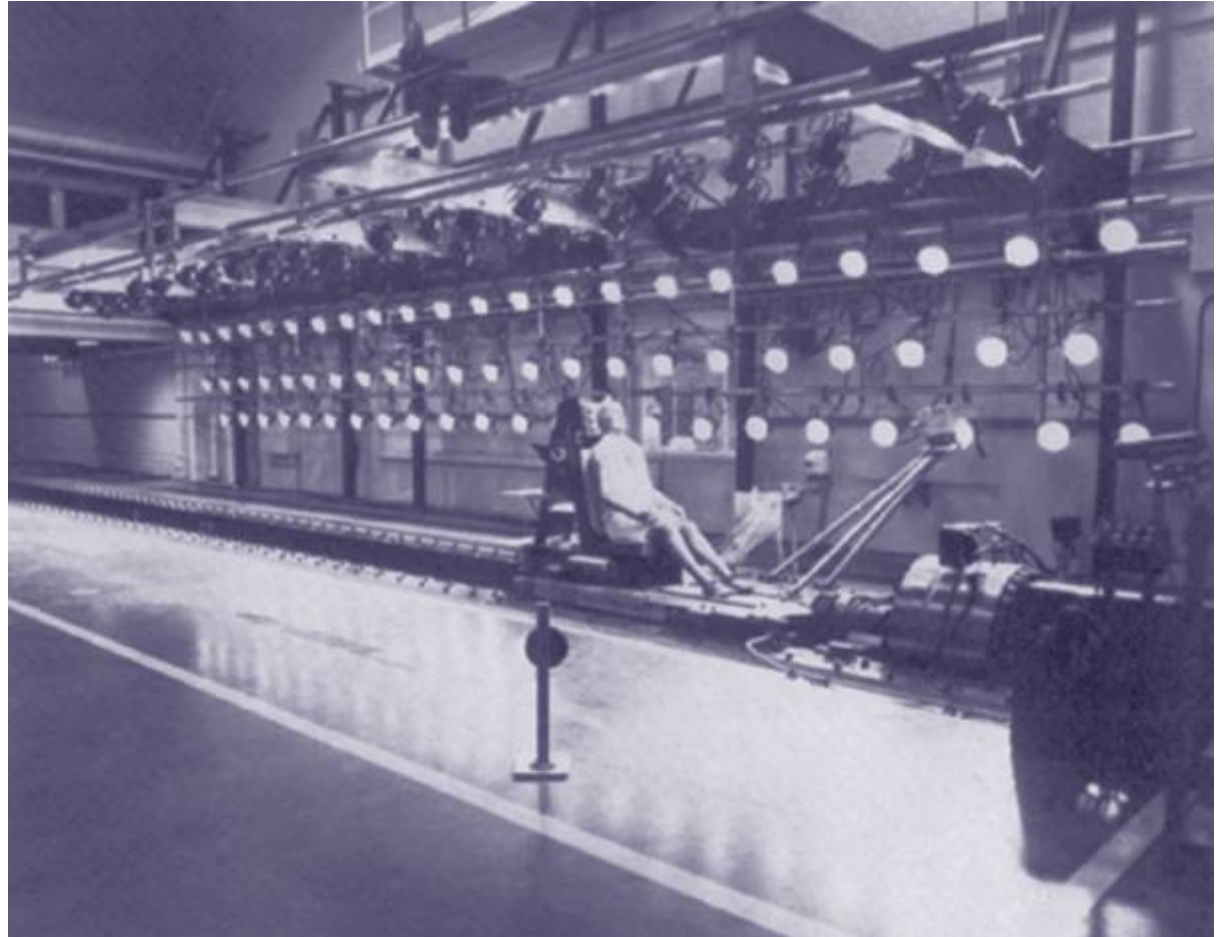
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# 1972

**Test dummy entering the deceleration device at the end of the impulse accelerator track.**







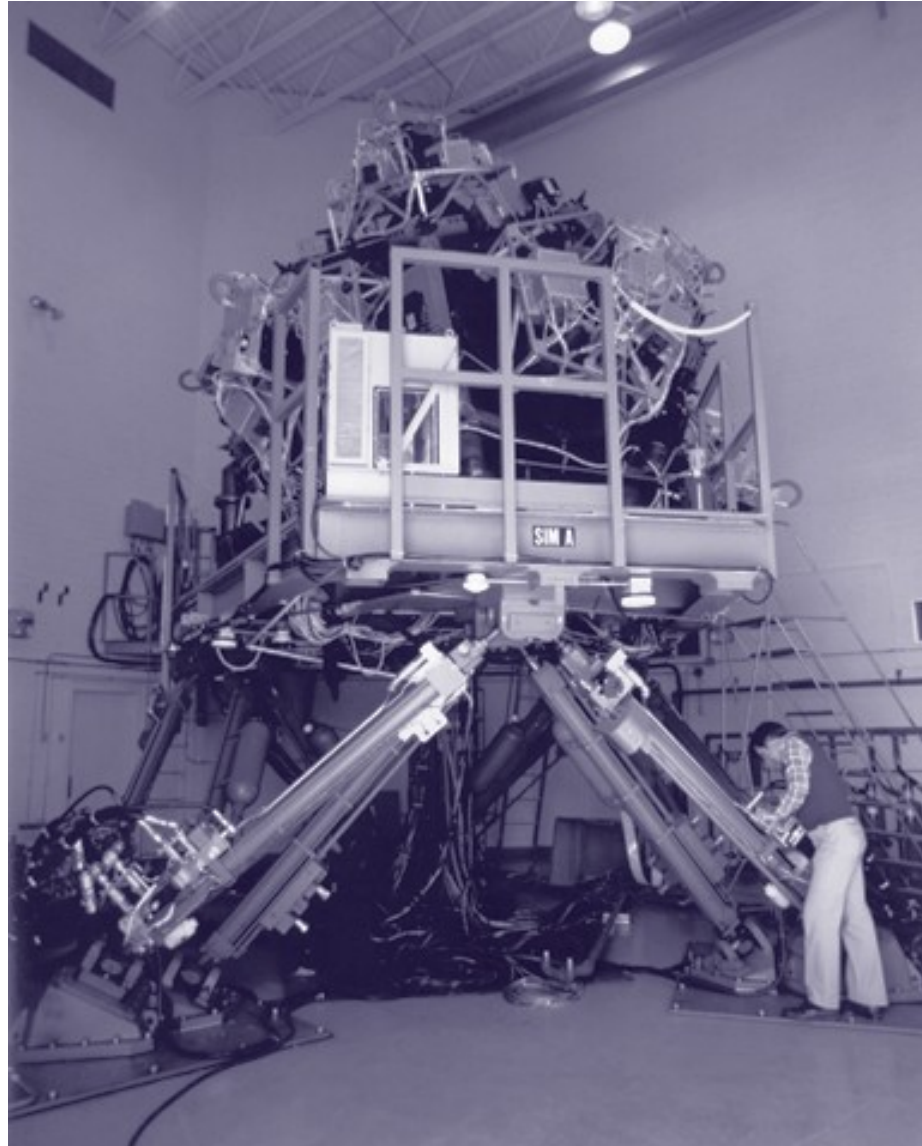
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# 1976

**Advanced  
Simulator for  
Undergraduate  
Pilot Training.  
(ASUPT)**





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# 1978

**Investigation of  
eye tracking  
performance.**





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# 1982

**Multiple operator experiments in the voice communications research program.**





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# 1987

**Automated 3-D scanner used in the first anthropometric scanning survey.**







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1987

**Advanced  
Dynamic  
Anthropomorphic  
Manikin.**





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# 1990

**Astronauts undergoing vision tests with the Visual Function Testers (VFT-1 and VFT-2) on the space shuttle while in orbit around the earth.**





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# 1991

**Proposed  
panoramic  
cockpit for  
increased  
situational  
awareness.**





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# 1992

**Fusion Interface  
for Tactical  
Environments  
(FITE) developed  
for pilot training  
in simulated,  
multi-aircraft air-  
to-air combat  
environment.**







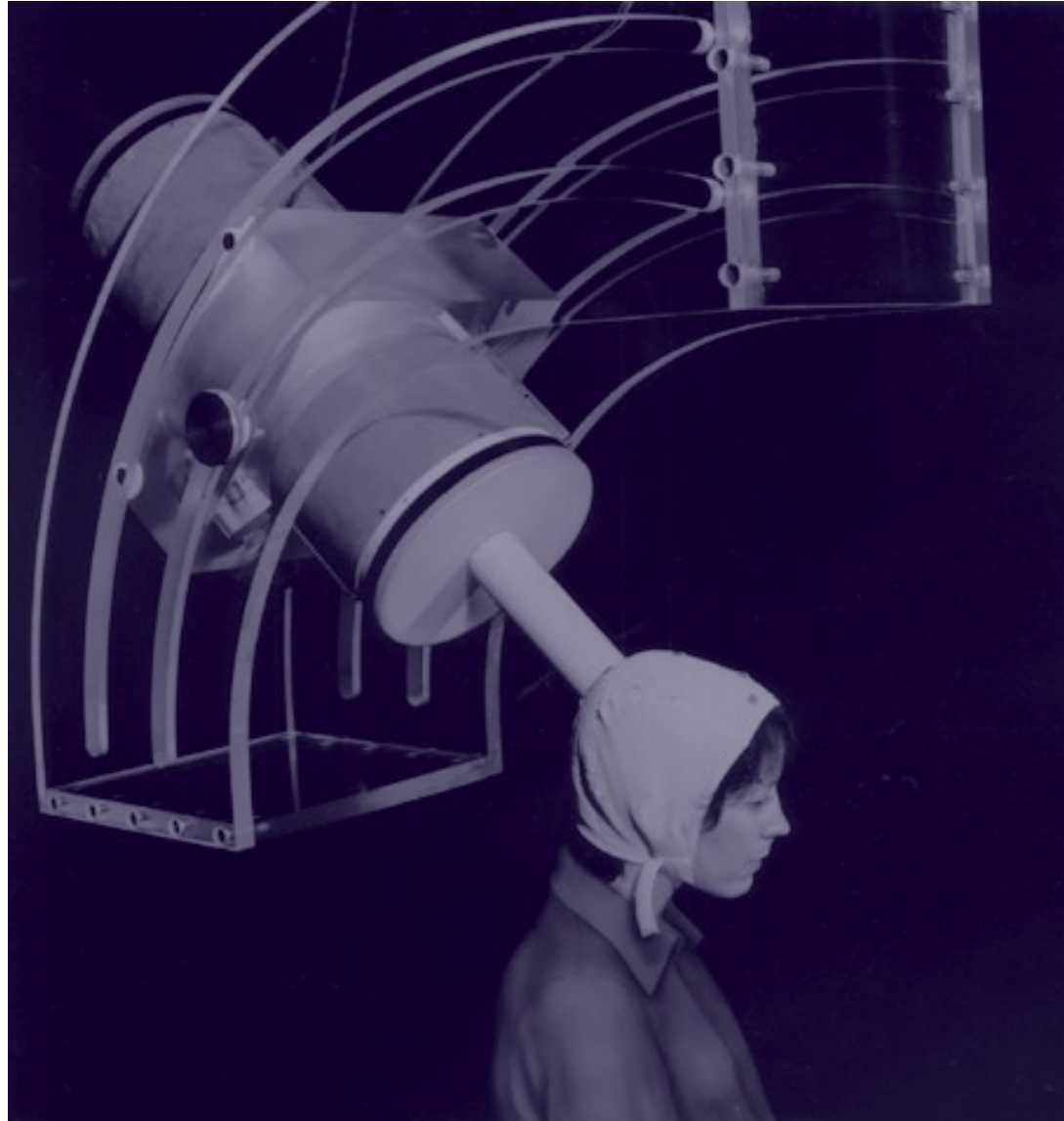
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# 1992

**Measuring  
Magnetic Fields  
in the Brain of a  
Stressed Subject.**





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# 1993

**Advanced Night  
Vision Goggles  
research.**





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# 1997

**WB-4 whole-body scanner used in measuring human form for populating anthropometry database.**

